

## CLAIMS

What is claimed is:

- 1 1. In an apparatus, a method of operation comprising:  
2 receiving a state signal signaling whether the apparatus is in an AC failure  
3 state;  
4 receiving a power button event signal signaling an event associated with a  
5 power button of the apparatus; and  
6 negating the power button event signal if the state signal signals the  
7 apparatus is in the AC failure state.
- 1 2. The method of claim 1, wherein the method further comprises  
2 monitoring for absence of AC to a power supply of the apparatus; and  
3 generating a power signal signaling AC failure on detection of absence of  
4 AC to the power supply.
- 1 3. The method of claim 2, wherein the monitoring and generating are  
2 performed by the power supply.
- 1 4. The method of claim 2, wherein the method further comprises a selected  
2 one of outputting the power signal as the state signal, and forming the state  
3 signal based at least in part on the power signal.
- 1 5. The method of claim 1, wherein the event associated with a power button  
2 of the apparatus comprises a power button being pressed event.

1 6. The method of claim 1, wherein the negating comprises combining the  
2 state signal and the power button event signal.

1 7. The method of claim 1, wherein the method further comprises  
2 receiving a device wake event signal signaling a device wake event of the  
3 apparatus; and  
4 negating the device wake event signal, if the state signal signals the  
5 apparatus is in the AC failure state.

1 8. In an apparatus, a method of operation comprising:  
2 receiving a state signal signaling whether the apparatus is in an AC failure  
3 state;  
4 receiving a device wake event signal signaling a device wake event of the  
5 apparatus; and  
6 negating the device wake event signal if the state signal signals the  
7 apparatus is in the AC failure state.

1 9. The method of claim 8, wherein the method further comprises  
2 monitoring for absence of AC to a power supply of the apparatus; and  
3 generating a power signal signaling AC failure on detection of absence of  
4 AC to the power supply.

1 10. The method of claim 9, wherein the monitoring and generating are  
2 performed by the power supply.

1 11. The method of claim 9, wherein the method further comprises a selected  
2 one of outputting the power signal as the state signal, and forming the state  
3 signal based at least in part on the power signal.

1 12. The method of claim 8, wherein the negating comprises combining the  
2 state signal and the device wake event signal.

1 13. A system comprising:  
2 an arrangement to generate a state signal signaling whether the system is  
3 in an AC failure state; and  
4 a first circuit coupled to the arrangement to receive the state signal and a  
5 power button event signal indicating an event associated with a power button of  
6 the system, and to negate the power button event signal if the state signal  
7 signals the AC failure state.

1 14. The system of claim 13, wherein the system further comprises a monitor  
2 to monitor for presence or absence of AC to a power supply of the system, and to  
3 generate a power signal signaling accordingly.

1 15. The system of claim 14, wherein the system further comprises the power  
2 supply, and the monitor is an integral part of the power supply.

1 16. The system of claim 14, wherein the system further comprises a second  
2 circuit coupled to the power supply and the first circuit, to generate the state  
3 signal based at least in part on the power signal, and to provide the first circuit  
4 with the state signal.

1 17. The system of claim 13, wherein the first circuit comprises a signal  
2 combiner circuit element to combine the state signal and the power button event  
3 signal.

1 18. The system of claim 13, wherein  
2 the system further comprises at least one hardware element equipped to  
3 generate a device wake event signal signaling a device wake event of the  
4 system; and  
5 the first circuit is also equipped to negate the device wake event signal, if  
6 the state signal signals the apparatus is in the AC failure state.

1 19. The system of claim 13, wherein the system further comprise a networking  
2 interface.

1 20. A system comprising:  
2 an arrangement to generate a state signal signaling whether the system is  
3 in an AC failure state; and  
4 a first circuit coupled to the arrangement to receive the state signal and a  
5 device wake event signal signaling a device wake event of the system, and to  
6 negate the device wake event signal if the state signal signals the AC failure  
7 state.

1 21. The system of claim 20, wherein the system further comprises a monitor  
2 to monitor for presence or absence of AC to a power supply of the system, and to  
3 generate a power signal signaling accordingly.

1 22. The system of claim 21, wherein the system further comprises the power  
2 supply, and the monitor is an integral part of the power supply.

1 23. The system of claim 21, wherein the system further comprises a second  
2 circuit coupled to the power supply and the first circuit, to generate the state  
3 signal based at least in part on the power signal, and to provide the first circuit  
4 with the state signal.

1 24. The system of claim 20, wherein the first circuit comprises a signal  
2 combiner circuit element to combine the state signal and the device wake event  
3 signal.

1 25. The system of claim 20, wherein the system further comprise a networking  
2 interface.

1 26. An apparatus comprising:  
2 a first input terminal to receive a first signal indicating presence or  
3 absence of AC to a power supply of a system;  
4 a second input terminal to receive a second signal indicating a power  
5 button event of the system; and  
6 a first combiner circuit element coupled to the first and second input  
7 terminals to combine the two signals to negate the second signal whenever the  
8 first signal signals absence of AC to the power supply.

1 27. The apparatus of claim 26, wherein the apparatus further comprises  
2 a third input terminal to receive a third signal indicating a device wake  
3 event of the system; and

4           a second combiner circuit element coupled to the first and third input  
5 terminals to combine the two signals to negate the third signal whenever the first  
6 signal signals absence of AC to the power supply.

1   28.    The apparatus of claim 27, wherein the first and third terminals are one of  
2 the same terminal, and the first and second signal combiner circuit elements are  
3 one of the same signal combiner circuit element.

1   29.    An apparatus comprising:  
2           a first input terminal to receive a first signal indicating presence or  
3 absence of AC to a power supply of a system;  
4           a second input terminal to receive a second signal indicating a device  
5 wake event of the system; and  
6           a first combiner circuit element coupled to the first and second input  
7 terminals to combine the two signals to negate the second signal whenever the  
8 first signal signals absence of AC to the power supply.

1   30.    The apparatus of claim 29, wherein the first and second input terminals  
2 are input pins.